IFW16

RAW SEQUENCE LISTING          DATE: 08/02/2004
PATENT APPLICATION: **US/09/888,324**     TIME: 11:51:23

Input Set : **N:\LMOORE\PTO.LM.txt**
Output Set: **N:\CRF4\08022004\I888324.raw**

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 3 <110> APPLICANT: Juha Punnonen, et al.
 5 <120> TITLE OF INVENTION: NOVEL CO-STIMULATORY MOLECULES
 7 <130> FILE REFERENCE: 0169.310US
 9 <140> CURRENT APPLICATION NUMBER: 09/888,324
10 <141> CURRENT FILING DATE: 2001-06-22
12 <150> PRIOR APPLICATION NUMBER: 60/213,946
13 <151> PRIOR FILING DATE: 2000-06-23
15 <150> PRIOR APPLICATION NUMBER: 60/241,245
16 <151> PRIOR FILING DATE: 2000-10-17
18 <160> NUMBER OF SEQ ID NOS: 312
20 <170> SOFTWARE: PatentIn Ver. 2.1
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23 <211> LENGTH: 891
24 <212> TYPE: DNA
25 <213> ORGANISM: Artificial Sequence
27 <220> FEATURE:
28 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
29       nucleotide sequence
31 <400> SEQUENCE: 1
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33 cagctcttgg tgctcactgg tcttttttac ttctgttcag gcatcacccc aaagagtgtg 120
34 accaaaagag tgaaagaaac agtaatgcta tcctgtgatt acaacacatc cactgaagaa 180
35 ctgacaagcc ttcggatcta ttggcaaaag gatagtaaaa tggtgctggc catcctgcct 240
36 ggaaaagtgc aggtgtggcc tgagtacaag aaccgcacca tcactgacat gaacgataac 300
37 ccccgtattg tgatcctggc tctgcgcctg tcggacagtg gcacctacac ctgtgttatt 360
38 cagaagcctg ttttgaaagg ggcttataaa ctggagcacc tggcttccgt gaggttaatg 420
39 atcagagctg acttccctgt ccctaccata aatgatcttg gaaatccatc tcctaatatc 480
40 agaaggctaa tttgctcaac ctctggaggt tttccaaggc cccacctcta ctggttggaa 540
41 aatggagaag aattaaatgc taccaacaca cactgtccc aagatcctga aaccaagctc 600
42 tacatgatta gcagtgaact ggatttcaac atgacaagca atcacagctt cttgtgtctt 660
43 gtcaagtatg gagacttaac agtgtcacag accttctact ggcaagaatc caaaccaacc 720
44 ccttctgcta atcagcacct gacctggacc attattatcc cagtctcagc atttgggatt 780
45 tctgtgatca ttgcagttat actaacatgc ctgacctgca gaaatgctgc aatacgcaga 840
46 cagagaaggg agaatgaagt ggaaatgcaa agttgctctc agtctccatg a         891
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50 <211> LENGTH: 900
51 <212> TYPE: DNA
52 <213> ORGANISM: Artificial Sequence
54 <220> FEATURE:
55 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
56       nucleotide sequence
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59 atgggccaca cgctgaggcc gggaactcca ctgcccaggt gtctacacct caagctctgc 60
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60 ctgctcctgg cgctggcggg tctccacttc tcttcaggta tcagccaggt caccaagtcg 120
61 gtgaaagaaa tggcagcact gtcctgtgat tacaacattt ctatcgatga actggcgaga 180
62 atgcgcatat actggcagaa ggaccaacag atggtgctga gcatcatctc tgggcaagtg 240
63 gaagtgtggc ctgagtacaa gaaccgcacc ttccccgaca tcattaacaa cctctccctt 300
64 atgatcctgg cactgcgcct gtcggacaag ggcacctaca cctgcgtggt tcagaagaat 360
65 gagaacgggt ctttcagacg ggagcacctg acctccgtga cactgtccat cagagctgac 420
66 tcccctgtcc ctagcataac tgacattgga catcccgccc ctaatgtgaa aaggataaga 480
67 tgctccgcct ctggaggttt tccagagcct cgcctcgcct ggatggaaga tggagaagaa 540
68 ctaaacgccg tcaacacgac ggttgaccag gatttggaca cggagctcta cagcgtcagc 600
69 agtgaactgg atttcaatgt gacaaataac cacagcatcg tgtgtctcat caaatacggg 660
70 gagctgtcgg tgtcacagat cttcccttgg agcaaaccca agcaggagcc tcccattgat 720
71 cagcttccat tctgggtcat tatcccagta agtggtgctt tggtgctcac tgcggtagtt 780
72 ctctactgcc tggcctgcag acatgttgcg aggtggaaaa gaacaagaag gaatgaagag 840
73 acagtgggaa ctgaaaggct gtcccctatc tacttaggct ctgcgcaatc ctcgggctga 900
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78 <212> TYPE: DNA
79 <213> ORGANISM: Artificial Sequence
81 <220> FEATURE:
82 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
83       nucleotide sequence
85 <400> SEQUENCE: 3
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87 ctgctcttgg cgctggcggg tctccacttc tcttcaggta tcagccaggt caccaagtcg 120
88 gtgaaagaaa tggcagcact gtcctgtgat tacaacattt ctatcgatga actggcgaga 180
89 atgcgcatat actggcagaa ggaccaacag atggtgctga gcatcatctc tgggcaagtg 240
90 gaagtgtggc ctgagtacaa aaaccgcacc ttccccgaca tcattaacaa cctctccctt 300
91 atgatcctgg cactgcgcct gtcggacaag ggcacctaca cctgcgtggt tcagaagaat 360
92 gagaacgggt ctttcagacg ggagcacctg acctccgtga cactgtccat cagagctgac 420
93 ttccctgtcc ctagcataac tgacattgga catcccgccc ctaatgtgaa aaggataaga 480
94 tgctccgcct ctggagattt tccagagcct cgcctcgcct ggatggaaga tggagaagaa 540
95 ctaaacgccg tcaacacgac ggttgaccag gatttggaca cggagctcta cagcgtcagc 600
96 agtgaactgg atttcaatgt gacaaataac cacagcatcg tgtgtctcat caaatacggg 660
97 gagctgtcgg tgtcacagat cttcccttgg agcaaaccca agcaggagcc tcccattgat 720
98 cagcttccat tctgggtcat tatcccagta agtggtgctt tggtgctcac tgcggtagtt 780
99 ctctactgcc tggcctgcag acatgttgcg aggtggaaaa gaacaagaag gaatgaagag 840
100 acagtgggaa ctgaaaggct gtcccctatc tacttaggct ctgcgcaatc ctcgggctga 900
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104 <211> LENGTH: 912
105 <212> TYPE: DNA
106 <213> ORGANISM: Artificial Sequence
108 <220> FEATURE:
109 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
110       nucleotide sequence
112 <400> SEQUENCE: 4
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114 cagctcttgg tgctcactgg tctttttttac ttctgttcag gcatcacccc aaagagtgtg 120
115 accaaaagag tgaaagaaac agtaatgcta tcctgtgatt acagcacatc cactgaagaa 180
116 ctgacaagcc ttcggatcta ttggcaaaag gatagtaaaa tggtgctggc catcctgcct 240
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117 ggaaaagtgc aggtgtggcc tgagtacaag aaccgcacca tcactgacat gaacgataac 300
118 ccccgtattg tgatcctggc tctgcgcctg tcggacagtg gcacctacac ctgtgttatt 360
119 cagaagcctg atttgaaagg ggcttataaa ctggagcacc tgacttccgt gaggttaatg 420
120 atcagagctg acttccctgt ccctaccata aatgatcttg gaaatccatc tcctaatatc 480
121 agaaggctaa tttgctcaac ctctggaggt tttccaaggc cccacctcta ctggttggaa 540
122 aatggagaag aattaaatgc taccaacaca acagtttccc aagatcctgg aactgagctc 600
123 tacatgatta gcagtgaact ggatttcaat gtgacaaata accacagcat cgtgtgtctc 660
124 atcaaatacg gggagctgtc ggtgtcacag atcttccctt ggagcaaacc caagcaggag 720
125 cctcccattg atcagcttcc attctgggtc attatcccag taagtggtgc tttggtgctc 780
126 actgcggtag ttctctactg cctggcctgc agacatgttg cgaggtggaa aagaacaaga 840
127 aggaatgaag agacagtggg aactgaaagg ctgtccccta tctacttagg ctctgcgcaa 900
128 tcctcgggct ga                                                    912
131 <210> SEQ ID NO: 5
132 <211> LENGTH: 912
133 <212> TYPE: DNA
134 <213> ORGANISM: Artificial Sequence
136 <220> FEATURE:
137 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
138       nucleotide sequence
140 <400> SEQUENCE: 5
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142 cagctcttgg tgctcactgg tctttttac ttctgttcag gcatcacccc aaagagtgtg 120
143 accaaaagag tgaaagaaac agtaatgcta tcctgtgatt acagcacatc cactgaagaa 180
144 ctgacaagcc ttcggatcta ttggcaaaag gatagtaaaa tggtgctggc catcctgcct 240
145 ggaaaagtgc aggtgtggcc tgagtacaag aaccgcacca tcactgacat gaacgataac 300
146 ccccgtattg tgatcctggc tctgcgcctg tcggacagtg gcacctacac ctgtgttatt 360
147 cagaagcctg ttttgaaagg ggcttataaa ctggagcacc tggcttccgt gaggttaatg 420
148 atcagagctg acttccctgt ccctaccata aatgatcttg gaaatccatc tcctaatatc 480
149 agaaggctaa tttgctcaac ctctggaggt tttccaaggc cccacctcta ctggttggaa 540
150 aatggagaag aattaaatgc taccaacaca acagtttccc aagatcctgg aactgagctc 600
151 tacatgatta gcagtgaact ggatttcaat gtgacaaata accacagcat cgtgtgtctc 660
152 atcaaatacg gggagctgtc ggtgtcacag atcttccctt ggagcaaacc caagcaggag 720
153 cctcccattg atcagcttcc attctgggtc attatcccag taagtggtgc tttggtgctc 780
154 actgcggtag ttctctactg cctggcctgc agacatgttg cgaggtggaa aagaacaaga 840
155 aggaatgaag agacagtggg aactgaaagg ctgtccccta tctacttagg ctccgcgcaa 900
156 tcctcgggct ga                                                    912
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162 <213> ORGANISM: Artificial Sequence
164 <220> FEATURE:
165 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
166       nucleotide sequence
168 <400> SEQUENCE: 6
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170 cagctcttgg tgctcactgg tctttttac ttctgttcag gcatcacccc aaagagtgtg 120
171 accaaaagag tgaaagaaac agtaatgcta tcctgtgatt acagcacatc cactgaagaa 180
172 ctgacaagcc ttcggatcta ttggcaaaag gatagtaaaa tggtgctggc catcctgcct 240
173 ggaaaagtgc aggtgtggcc tgagtacaag aaccgcacca tcactgacat gaacgataac 300
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174 ccccgtattg tgatcctggc tctgcgcctg tcggacagtg gcacctacac ctgtgttatt 360
175 cagaagcctg ttttgaaagg ggcttataaa ctggagcacc tggcttccgt gaggttaatg 420
176 atcagagctg acttccctgt ccctaccata aatgatcttg gaaatccatc tcctaatatc 480
177 agaaggctaa tttgctcaac ctctggaggt tttccaaggc cccacctcta ctggttggaa 540
178 aatggagaag aattaaatgc taccaacaca acactgtccc aagatcctga aaccaagctc 600
179 tacatgatta gcagtgaact ggatttcaat gtgacaaata accacagcat cgtgtgtctc 660
180 atcaaatacg gggagctgtc ggtgtcacag atcttccctt ggagcaaacc caagcaggag 720
181 cccccattg atcagcttcc attctgggtc attatcccag taagtggtgc tttggtgctc 780
182 actgcggtag ttctctaccg cccggcctgc agacatgttg cgaggtggaa aagaacaaga 840
183 aggaatgaag agacagtggg aactgaaagg ctgtcccta tctacttagg ctctgcgcaa 900
184 tcctcgggct ga                                                    912
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188 <211> LENGTH: 912
189 <212> TYPE: DNA
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193 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
194       nucleotide sequence
196 <400> SEQUENCE: 7
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198 cagctcttgg tgctcactgg tctttttttac ttctgttcag gcatcacccc aaagagtgtg 120
199 accaaaagag tgaaagaaac agtaatgcta tcctgtgatt acaacacatc cactgaagaa 180
200 ctgacaagcc ttcggatcta ttggcaaaag gatagtaaaa tggtgctggc catcctgcct 240
201 ggaaaagtgc aggtgtggcc tgagtacaag aaccgcacca tcactgacat gaacgataac 300
202 ccccgtattg tgatcctggc tctgcgcctg tcggacagtg gcacctacac ctgtgttatt 360
203 cagaagcctg ttttgaaagg ggcttataaa ctggagcacc tggcttccgt gaggttaatg 420
204 atcagagctg acttccctgt ccctaccata aatgatcttg gaaatccatc tcctaatatc 480
205 agaaggctaa tttgctcaac ctctggaggt tttccaaggc cccacctcta ctggttggaa 540
206 aatggagaag aattaaatgc taccaacaca acagtttccc aagatcctgg aactgagctc 600
207 tacatgatta gcagtgaact ggatttcaat gtgacaaata accacagcat cgtgtgtctc 660
208 atcaaatacg gggagctgtc ggtgtcacag atcttccctt ggagcaaacc caagcaggag 720
209 cctcccattg atcagcttcc attctgggtc attatcccag taagtggtgc tttggtgctc 780
210 actgcggtag ttctctactg cctggcctgc agacatgttg cgaggtggaa aagaacaaga 840
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212 tcctcgggct ga                                                    912
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222       nucleotide sequence
224 <400> SEQUENCE: 8
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226 cagctcttgg tgctcactgg tcttttttac ttctgttcag gcatcacccc aaagagtgtg 120
227 accaaaagag tgaaagaaac agtaatgcta tcctgtgatt acaacacatc cactgaagaa 180
228 ctgacaagcc ttcggatcta ttggcaaaag gatagtaaaa tggtgctggc catcctgcct 240
229 ggaaaagtgc aggtgtggcc tgagtacaag aaccgcacca tcactgacat gaacgataac 300
230 ccccgtattg tgatcctggc tctgcgcctg tcggacagtg gcacctacac ctgtgttatt 360
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231 cagaagcctg ttttgaaagg ggcttataaa ctggagcacc tggcttccgt gaggttaatg 420
232 atcagagctg acttccctgt ccctaccata aatgatcttg gaaatccatc tcctaatatc 480
233 agaaggctaa tttgctcaac ctctggaggt tttccaaggc cccacctctg ctggttggaa 540
234 aatggagaag aattaaatgc taccaacaca acagtttccc aagatcctgg aactgagctc 600
235 tacatgatta gcagtgaact ggatttcaat gtgacaaata accacagcat cgtgtgtctc 660
236 atcaaatacg gggagctgtc ggtgtcacag atcttccctt ggagcaaacc caagcaggag 720
237 cctcccattg atcagcttcc attctgggtc attatcccag taagtggtgc tttggtgctc 780
238 actgcggtag ttctctactg cctggcctgc agacatgttg cgaggtggaa aagaacaaga 840
239 aggaatgaag agacagtggg aactgaaagg ctgtccccta tctacttagg ctctgcgcaa 900
240 tcctcgggct ga                                                     912
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246 <213> ORGANISM: Artificial Sequence
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252 <400> SEQUENCE: 9
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255 accaaaagag tgaaagaaac agtaatgcta tcctgtgatt acagcacatc cactgaagaa 180
256 ctgacaagcc ttcggatcta ttggcaaaag gatagtaaaa tggtgctggc catcctgcct 240
257 ggaaaagtgc aggtgtggcc tgagtacaag aaccgcacca tcactgacat gaacgataac 300
258 ccccgtattg tgatcctggc tctgcgcctg tcggacaagg gcacctacac ctgcgtggtt 360
259 cagaagcctg ttttgaaagg ggcttataaa ctggagcacc tgacttccgt gaggttaatg 420
260 atcagagctg acttccctgt ccctaccata aatgatcttg gaaatccatc tcctaatatc 480
261 agaaggctaa tttgctcaac ctctggaggt tttccaaggc cccacctcta ctggttggaa 540
262 aatggagaag aattaaatgc taccaacaca acagtttccc aagatcctgg aactgagctc 600
263 tacatgatta gcagtgaact ggatttcaat gtgacaaata accacagcat cgtgtgtctc 660
264 atcaaatacg gggagctgtc ggtgtcacag atcttccctt ggagcaaacc caagcaggag 720
265 cctcccattg atcagcttcc attctgggtc attatcccag taagtggtgc tttggtgctc 780
266 actgcggtag ttctctactg cctggcctgc aggcatgttg cgaggtggaa aagaacaaga 840
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274 <213> ORGANISM: Artificial Sequence
276 <220> FEATURE:
277 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
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280 <400> SEQUENCE: 10
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282 cagctcttgg tgctcactgg tcttttttac ttctgttcag gcatcacccc aaagagtgtg 120
283 accaaaagag tgaaagaaac agtaatgcta tcctgtgatt acaacacatc cactgaagaa 180
284 ctgacaagcc ttcggatcta ttggcaaaag gatagtaaaa tggtgctggc catcctgcct 240
285 ggaaaagtgc aggtgtggcc tgagtacaag aaccgcacca tcactgacat gaacgataac 300
286 ccccgtattg tgatcctggc tctgcgcctg tcggacagtg gcacctacac ctgtgttatt 360
287 cagaagcctg ttttgaaagg ggcttataaa ctggagcacc tggcttccgt gaggttaatg 420
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**Please Note:**
Use of n and/or Xaa have been detected in the Sequence Listing. Please review the
Sequence Listing to ensure that a corresponding explanation is presented in the <220>
to <223> fields of each sequence which presents at least one n or Xaa.

```
Seq#:95; N Pos. 223
Seq#:97; N Pos. 929
Seq#:111; N Pos. 827
Seq#:153; N Pos. 893,894
Seq#:157; N Pos. 599
Seq#:174; Xaa Pos. 75
Seq#:176; Xaa Pos. 310
Seq#:190; Xaa Pos. 276
Seq#:232; Xaa Pos. 298
Seq#:236; Xaa Pos. 200
Seq#:284; Xaa Pos. 6,8,14,18,19,20,27,55,60,69,101,106,110,113,120,124,135
Seq#:284; Xaa Pos. 149,150,151,167,168,169,177,192,197,199,208,215,218,227
Seq#:284; Xaa Pos. 249,261,263,267,268,273
Seq#:287; Xaa Pos. 12,25,29,40,122,129,164,196,219,241
Seq#:290; Xaa Pos. 50,55,56,113,120,123,124,125,126,128,129,130,131,135,138
Seq#:290; Xaa Pos. 140,170,193,194,195,209,211,252,253
Seq#:292; Xaa Pos. 9,35,55,110,124,135,183,192,211,215,216,217,231,288,290
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L:4448 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:95 after pos.:180
L:4521 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:97 after pos.:900
L:4912 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:111 after pos.:780
L:6078 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:153 after pos.:840
L:6187 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:157 after pos.:540
L:6654 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:174 after pos.:64
L:6840 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:176 after pos.:304
L:7791 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:190 after pos.:272
L:10625 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:232 after pos.:288
L:10875 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:236 after pos.:192
L:13579 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:284 after pos.:0
L:13582 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:284 after pos.:16
L:13588 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:284 after pos.:48
L:13591 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:284 after pos.:64
L:13597 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:284 after pos.:96
L:13600 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:284 after pos.:112
L:13603 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:284 after pos.:128
L:13606 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:284 after pos.:144
L:13609 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:284 after pos.:160
L:13612 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:284 after pos.:176
L:13615 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:284 after pos.:192
L:13618 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:284 after pos.:208
L:13621 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:284 after pos.:224
L:13624 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:284 after pos.:240
L:13627 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:284 after pos.:256
L:13630 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:284 after pos.:272
L:13830 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:287 after pos.:0
L:13833 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:287 after pos.:16
L:13836 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:287 after pos.:32
L:13851 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:287 after pos.:112
L:13854 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:287 after pos.:128
L:13860 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:287 after pos.:160
L:13866 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:287 after pos.:192
L:13869 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:287 after pos.:208
L:13875 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:287 after pos.:240
L:14154 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:290 after pos.:48
L:14166 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:290 after pos.:112
L:14169 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:290 after pos.:128
L:14175 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:290 after pos.:160
L:14181 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:290 after pos.:192
L:14184 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:290 after pos.:208
L:14190 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:290 after pos.:240
L:14350 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:292 after pos.:0
L:14356 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:292 after pos.:32
L:14359 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:292 after pos.:48
L:14368 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:292 after pos.:96
L:14371 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:292 after pos.:112
L:14374 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:292 after pos.:128
```

**VERIFICATION SUMMARY**          DATE: 08/02/2004
PATENT APPLICATION:  **US/09/888,324**     TIME: 11:51:24

Input Set : **N:\LMOORE\PTO.LM.txt**
Output Set: **N:\CRF4\08022004\I888324.raw**

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L:14383 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:292 after pos.:176
L:14389 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:292 after pos.:208
L:14392 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:292 after pos.:224
L:14401 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:292 after pos.:272
L:14404 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:292 after pos.:288
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